

Oilfield Maintenance and Construction

CANADIAN

JUL 21 1998

Upstream Oil and Gas Subsector #2
Alberta, 1993 to 1997



A Summary of Occupational Injury and Disease

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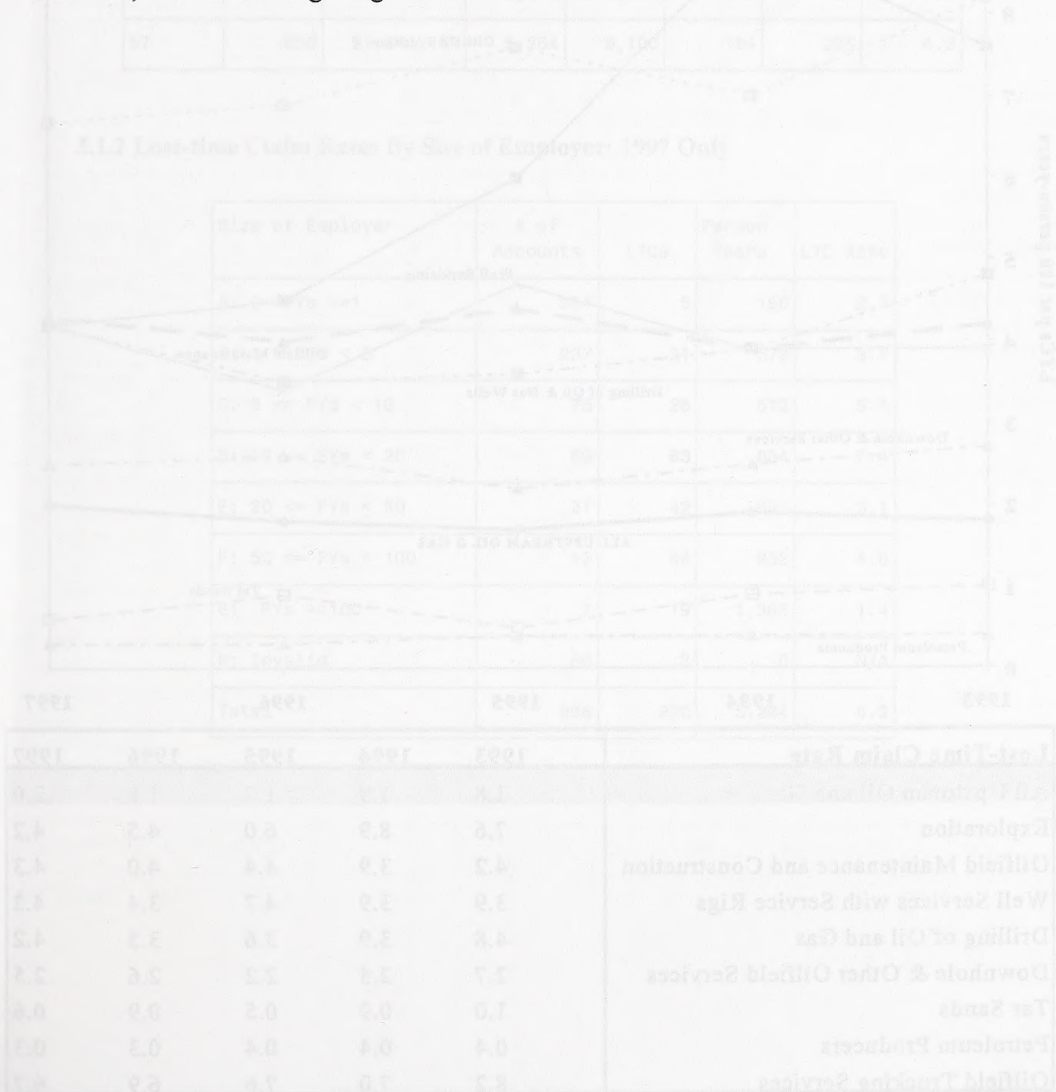
1. Sub-Sector Descriptions

Sub-Sector # 2: Oilfield Maintenance & Construction

Oilfield Construction and/or Maintenance (Industry # 06304)

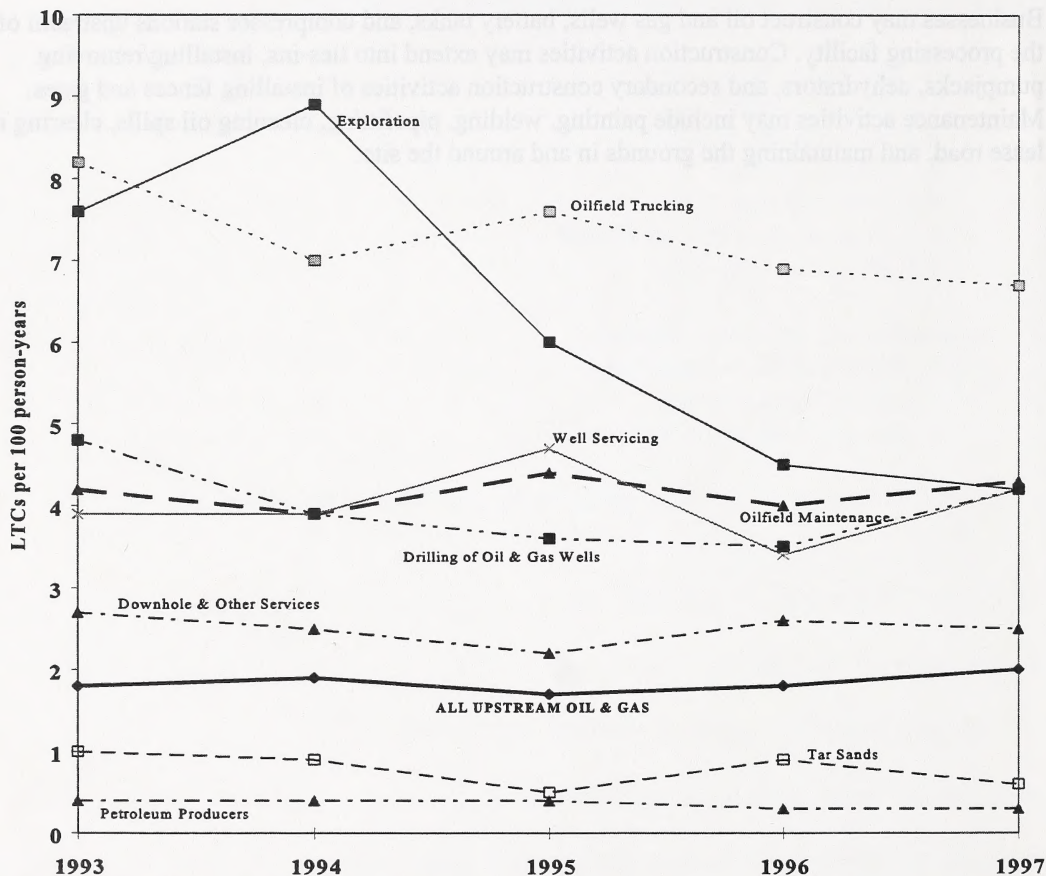
This classification describes general contracting business that undertake turn-key construction and maintenance projects at facilities and lease sites upstream of gas plants.

Businesses may construct oil and gas wells, battery tanks, and compressor stations upstream of the processing facility. Construction activities may extend into ties-ins, installing/removing pumpjacks, dehydrators, and secondary construction activities of installing fences and gates. Maintenance activities may include painting, welding, pipefitting, cleaning oil spills, clearing a lease road, and maintaining the grounds in and around the site.



2.

Lost-Time Claim Rates All Upstream Oil & Gas Subsectors Alberta 1993-1997



Lost-Time Claim Rate	1993	1994	1995	1996	1997
All Upstream Oil and Gas	1.8	1.9	1.7	1.8	2.0
Exploration	7.6	8.9	6.0	4.5	4.2
Oilfield Maintenance and Construction	4.2	3.9	4.4	4.0	4.3
Well Services with Service Rigs	3.9	3.9	4.7	3.4	4.2
Drilling of Oil and Gas	4.8	3.9	3.6	3.5	4.2
Downhole & Other Oilfield Services	2.7	2.5	2.2	2.6	2.5
Tar Sands	1.0	0.9	0.5	0.9	0.6
Petroleum Producers	0.4	0.4	0.4	0.3	0.3
Oilfield Trucking Services	8.2	7.0	7.6	6.9	6.7

3. Injury & Disease Statistics

3.1 Lost-Time Claims(LTCs) and Duration Rates

3.1.1 Oilfield Maintenance & Construction

Year	# of Accounts	Cost	Person Years	Days Lost	Duration Rate	LTCs	LTC Rate
93	619	\$699,166	3,177	5,257	165	135	4.2
94	684	\$919,501	3,738	5,676	152	147	3.9
95	760	\$847,724	3,495	5,962	171	155	4.4
96	778	\$1,164,171	4,019	5,874	146	161	4.0
97	858	\$1,871,160	5,264	8,100	154	225	4.3

3.1.2 Lost-time Claim Rates By Size of Employer: 1997 Only

Size of Employer	# of Accounts	LTCs	Person - Years	LTC Rate
A: 0< PYs <=1	384	5	186	2.7
B: 1 < PYs < 5	237	21	573	3.7
C: 5 <= PYs < 10	75	26	512	5.1
D: 10 <= PYs < 20	59	63	854	7.4
E: 20 <= PYs < 50	27	42	825	5.1
F: 50 <= PYs < 100	13	46	952	4.8
G: PYs >=100	7	19	1,363	1.4
H: Invalid	56	3	0	N/A
Total	858	225	5,264	4.3

4. Analysis of the Lost-Time Claims

4.1 Nature of Injury

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
SPRAIN, STRAIN	40	46	47	50	93	276	33.5
FRACTURE & DISLOCATION							
FRACTURE	30	16	22	25	47	140	17.0
DISLOCATION	3	5	3	5	4	20	2.4
SUBTOTAL	33	21	25	30	51	160	19.4
BRUISE, CONTUSION, CRUSHING	15	16	21	22	21	95	11.5
CUT, LACERATION, PUNCTURE	13	20	18	14	16	81	9.8
OTHER INJURY	.	7	6	10	14	37	4.5
SCRATCH, ABRASION	4	7	7	9	7	34	4.1
BURN, SCALD-THERMAL	5	3	6	6	3	23	2.8
MULTIPLE INJURIES	7	3	6	1	2	19	2.3
OTHER DISEASE	1	2	5	5	6	19	2.3
ALL OTHER NATURES, UNS	17	22	14	14	12	79	9.6
Total	135	147	155	161	225	823	100.0

4.2 Part of Body Affected

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
BACK							
LUMBAR (LOWER BACK)	16	17	22	3	9	67	8.1
OTHER PART	6	17	4	37	47	111	13.5
SUBTOTAL	22	34	26	40	56	178	21.6
ANKLE(S) & FOOT(FEET) -NOT TOES							
ANKLE(S)	18	4	11	14	17	64	7.8
FOOT(FEET) -NOT ANKLES OR TOES	10	11	5	7	9	42	5.1
SUBTOTAL	28	15	16	21	26	106	12.9
LEG(S)							
KNEE	7	13	8	9	13	50	6.1
OTHER PART	5	6	9	13	6	39	4.7
SUBTOTAL	12	19	17	22	19	89	10.8
FINGER(S)	12	16	19	9	27	83	10.1
OTHER TRUNK							
SHOULDER(S)	5	6	8	6	11	36	4.4
HIP(S) - INCLUDES PELVIC ORGANS	3	2	2	4	6	17	2.1
OTHER PART	4	4	2	4	11	25	3.0
SUBTOTAL	12	12	12	14	28	78	9.5
WRIST(S) & HAND(S) -NOT FINGERS							
HAND(S) -NOT WRISTS OR FINGERS	10	8	7	11	6	42	5.1
WRIST(S)	4	3	5	4	10	26	3.2
SUBTOTAL	14	11	12	15	16	68	8.3
EYE(S) -OPTIC NERVE,VISION	8	11	14	12	11	56	6.8

(CONTINUED)

4.2 Part of Body Affected (Continued)

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
OTHER HEAD, NECK							
NECK	3	4	5	4	9	25	3.0
OTHER PART	2	5	7	3	9	26	3.2
SUBTOTAL	5	9	12	7	18	51	6.2
FACE	7	6	7	7	9	36	4.4
ARM(S) (ABOVE WRIST)	6	5	8	6	4	29	3.5
MULTIPLE MAJOR BODY PARTS	4	4	4	5	4	21	2.6
ALL OTHER PARTS, UNS	5	5	8	3	7	28	3.4
Total	135	147	155	161	225	823	100.0

4.3 Source of Injury

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
METAL ITEMS-NEC							
PIPE AND FITTINGS	20	21	30	28	50	149	18.1
METAL CHIPS,SPLINTERS,PARTICLES	6	4	5	5	1	21	2.6
OTHER SOURCE	4	12	11	8	6	41	5.0
SUBTOTAL	30	37	46	41	57	211	25.6
SOURCE-UNS	19	23	32	21	25	120	14.6
BODILY MOTION							
FREE MOVEMENT (EG. RUNNING)	6	9	4	.	.	19	2.3
OTHER SOURCE	8	7	9	21	16	61	7.4
SUBTOTAL	14	16	13	21	16	80	9.7
WORKING SURFACES							
GROUND (OUTDOORS)	6	9	3	6	11	35	4.3
OTHER SOURCE	3	5	8	9	12	37	4.5
SUBTOTAL	9	14	11	15	23	72	8.7
VEHICLES							
HIGHWAY VEHICLES (POWERED)	6	5	7	7	18	43	5.2
OTHER SOURCE	5	6	4	2	7	24	2.9
SUBTOTAL	11	11	11	9	25	67	8.1
HANDTOOL-UNPOWERED	11	8	10	10	14	53	6.4
MACHINES	4	7	5	7	11	34	4.1
HANDTOOLS-POWERED	6	3	3	7	8	27	3.3
ALL OTHER SOURCES	31	28	24	30	46	159	19.3
Total	135	147	155	161	225	823	100.0

4.4 Type of Event

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
STRUCK BY							
STRUCK BY FLYING OBJECT	2	2	3	17	24	48	5.8
STRUCK BY FALLING OBJECT-NEC	6	11	11	.	.	28	3.4
STRUCK BY FALL OBJ DURING HANDLING	7	4	6	3	7	27	3.3
OTHER TYPE	17	18	21	6	18	80	9.7
SUBTOTAL	32	35	41	26	49	183	22.2
OVEREXERTION							
LIFTING OBJECTS	8	16	12	23	25	84	10.2
PULLING/PUSHING OBJECTS	2	1	6	6	5	20	2.4
OTHER TYPE	10	9	6	6	17	48	5.8
SUBTOTAL	20	26	24	35	47	152	18.5
CAUGHT IN, UNDER OR BETWEEN							
CAUGHT BETW MOVING, STATIONARY OBJECT	9	7	9	.	.	25	3.0
OTHER TYPE	8	6	11	14	26	65	7.9
SUBTOTAL	17	13	20	14	26	90	10.9
BODILY REACTION							
REACTION FROM INVOLUNTARY MOTION	9	8	4	10	6	37	4.5
REACTION FROM VOLUNTARY MOTION	5	8	6	10	6	35	4.3
OTHER TYPE	.	.	3	2	4	9	1.1
SUBTOTAL	14	16	13	22	16	81	9.8
FALL FROM ELEVATION	7	8	7	9	19	50	6.1
FALL ON SAME LEVEL							
FALL TO WALKWAY, WORKING SURFACE	5	7	4	6	6	28	3.4
OTHER TYPE	2	2	3	2	6	15	1.8

(CONTINUED)

4.4 Type of Event (Continued)

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
FALL ON SAME LEVEL							
SUBTOTAL	7	9	7	8	12	43	5.2
RUBBED OR ABRADED							
ABRADED BY FOREIGN MATTER IN EYES	5	7	8	8	6	34	4.1
OTHER TYPE	2	1	1	.	.	4	0.5
SUBTOTAL	7	8	9	8	6	38	4.6
VEHICLE INCIDENTS	5	6	3	8	13	35	4.3
STRUCK AGAINST	6	8	5	3	8	30	3.6
CONTACT NOXIOUS SUBSTANCE							
ABSORB NOXIOUS SUBSTANCES	1	2	6	4	6	19	2.3
OTHER TYPE	1	.	3	.	.	4	0.5
SUBTOTAL	2	2	9	4	6	23	2.8
TEMPERATURE EXTREMES							
HOT OBJECTS/SUBSTANCES	5	1	5	4	2	17	2.1
OTHER TYPE	.	1	.	2	1	4	0.5
SUBTOTAL	5	2	5	6	3	21	2.6
ALL OTHER TYPES, UNS	13	14	12	18	20	77	9.4
Total	135	147	155	161	225	823	100.0

4.5 Occupation of Injured Worker

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
CONSTRUCTION OCCUPATIONS							
LABOR-CONSTRUCTION	9	13	17	12	15	66	8.0
PIPEFITTING & PLUMBING	10	12	10	9	12	53	6.4
CONSTRUCTION-NEC	10	14	10	10	4	48	5.8
EXCAVATING, GRADING, ETC.	3	8	2	1	9	23	2.8
FOREMEN-CONSTRUCTION	4	1	3	5	6	19	2.3
OTHER OCCUPATION	5	6	2	2	7	22	2.7
SUBTOTAL	41	54	44	39	53	231	28.1
OIL & GAS FIELD, MINING							
LABOR-OIL & GAS, MINING	10	18	15	17	31	91	11.1
FOREMEN-OIL & GAS, MINING	1	3	4	8	7	23	2.8
OIL & GAS, MINING-NEC	6	4	4	5	4	23	2.8
OTHER OCCUPATION	.	3	4	.	2	9	1.1
SUBTOTAL	17	28	27	30	44	146	17.7
MACHINING							
WELDING & FLAME CUTTING	14	15	19	15	27	90	10.9
OTHER OCCUPATION	.	1	2	.	1	4	0.5
SUBTOTAL	14	16	21	15	28	94	11.4
OCCUPATION-NEC							
LABOR-NEC	9	1	3	9	21	43	5.2
OTHER OCCUPATION	4	2	2	6	6	20	2.4
SUBTOTAL	13	3	5	15	27	63	7.7
FABRICATING, REPAIR							
MECHANICS-INDUSTRIAL, FARM MACHINERY	7	4	3	3	8	25	3.0
OTHER OCCUPATION	4	3	6	2	3	18	2.2
SUBTOTAL	11	7	9	5	11	43	5.2

(CONTINUED)

4.5 Occupation of Injured Worker (Continued)

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
MATERIALS HANDLING-NEC							
FREIGHT HANDLERS, STEVEDORES	4	2	4	3	5	18	2.2
OTHER OCCUPATION	3	2	5	1	2	13	1.6
SUBTOTAL	7	4	9	4	7	31	3.8
TRANSPORT OPERATORS							
TRUCK DRIVERS	4	4	5	3	7	23	2.8
OTHER OCCUPATION	.	.	3	2	1	6	0.7
SUBTOTAL	4	4	8	5	8	29	3.5
ALL OTHER OCCUPATIONS, UNS	28	31	32	48	47	186	22.6
Total	135	147	155	161	225	823	100.0

4.6 Duration of Disability

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
Duration of Disability							
01 - 05 DAYS LOST	30	39	41	48	81	239	29.0
06 - 10 DAYS LOST	22	23	20	23	28	116	14.1
11 - 15 DAYS LOST	13	15	18	13	14	73	8.9
16 - 20 DAYS LOST	4	9	8	9	11	41	5.0
21 - 30 DAYS LOST	11	10	16	5	13	55	6.7
31 - 40 DAYS LOST	8	6	5	10	15	44	5.3
41 - 50 DAYS LOST	7	7	11	10	7	42	5.1
51 OR MORE DAYS LOST	38	35	30	38	51	192	23.3
DAYS LOST-UNSPECIFIED, 0	2	3	6	5	5	21	2.6
Total	135	147	155	161	225	823	100.0

5. Characteristics of the Injured Worker

5.1 Length of Time Employed

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
A. LESS THAN 1 MONTH	24	27	22	21	41	135	16.4
B. 1 MONTH TO < 6 MONTHS	32	54	51	34	60	231	28.1
C. 6 MONTHS TO < 1 YEAR	21	14	19	14	23	91	11.1
D. 1 YEAR OR MORE	40	30	38	50	64	222	27.0
E. TIME-UNSPECIFIED	18	22	25	42	37	144	17.5
Total	135	147	155	161	225	823	100.0

5.2 Age of Injured Worker

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
15-19 YEARS	8	13	17	12	28	78	9.5
20-24 YEARS	30	30	38	28	52	178	21.6
25-34 YEARS	45	55	48	59	64	271	32.9
35-44 YEARS	36	29	31	41	47	184	22.4
45-54 YEARS	11	14	15	15	21	76	9.2
55-64 YEARS	5	5	3	6	10	29	3.5
AGE-UNSPECIFIED	.	1	3	.	3	7	0.9
Total	135	147	155	161	225	823	100.0

5.3 Gender of Injured Worker

LOST-TIME CLAIMS ALBERTA: 1993 TO 1997	OCCURRENCE YEAR					Total	
	93	94	95	96	97	Number	Percent
MALE	131	144	149	155	211	790	96.0
FEMALE	.	2	4	4	7	17	2.1
GENDER-UNSPECIFIED	4	1	2	2	7	16	1.9
Total	135	147	155	161	225	823	100.0

**6. Number of Employers that received/renewed a Certificate of Recognition
in 1997**

	Certified Employers	Cert. & Uncert. (# of Accounts)	% Certified
SUB-SECTOR # 2 Oilfield Maintenance & Construction (Industry # 06304)	5	858	0.6
UPSTREAM OIL & GAS SECTOR	43	6,650	0.7

7. Cost Of Claims, Payroll, and Premiums

	Occurrence Year				
	1993	1994	1995	1996	1997
Transaction Year					
1993	\$505,557				
1994	\$331,824	\$731,333			
1995	\$172,160	\$466,504	\$649,815		
1996	\$2,272	\$349,859	\$429,363	\$1,118,363	
1997	\$263	\$112,971	\$72,996	\$419,815	\$1,099,936
Total Cost	\$1,012,075	\$1,660,668	\$1,152,175	\$1,538,178	\$1,099,936

Total Payroll	\$88,249,226	\$105,816,079	\$102,305,198	\$117,907,740	\$145,649,429
Total Premiums	\$4,459,992	\$5,264,452	\$4,505,592	\$4,463,095	\$5,235,940

The above cost for claims, payroll, and premiums are for the five year period 1993 to 1997. The data is as at April 14, 1998.

The claim cost amount reflect only 'paid or current' cost on claims which have occurred in the five year period. These paid cost are tracked by year of occurrence and the year the costs were transacted. These cost are incomplete since a workers compensation claim can take many years to be closed.

The payroll have been totalled for each year.

The premium is the total of employer's premium paid for each year.

8. Occupational Fatalities

An occupational fatality is the death of a worker which results from a work-related incident or exposure. Alberta Labour classifies occupational fatalities into three general types: motor vehicle incident, workplace incident and occupational diseases. Each is described in detail below.

Motor Vehicle Incident

Motor vehicle incident typically involve highway vehicles operating on public roads in which the fatally injured worker was either the driver or a passenger. Fatal vehicle incidents are as likely to be single vehicle crashes as they are to be collision with other vehicle. This category also includes fatalities involving air plane crashes, train crashes, helicopter crashes. etc.

Workplace Incident

Fatal workplace incidents consist of cases in which the worker dies at a work site, or as a result of injuries sustained at a work site. It is this type of fatality that Alberta Labour may be responsible for investigating.

Occupational Diseases

Occupational disease fatalities consist mostly of recognized occupational disease, that is, disease known to be primarily or exclusively work-related (e.g. asbestosis, black lung disease). Occupational diseases are frequently diagnosed many years after the initial or crucial exposure to the toxic substance, and in such cases it is very difficult to determine when the fatal exposure occurred. Thus, the occupational disease category, should not be interpreted to reflect present work site hazardous conditions or exposures.

Each year the Workers' Compensation Board (WCB) accepts some occupational fatality claims for compensation. Claims accepted in a particular year does not imply all the fatalities occurred in that year.

Description of Oilfield Maintenance & Construction Fatalities Accepted by the WCB Alberta, 1992-1997

Year	Occupational Disease		Motor Vehicle incident		Workplace Incident		Total	
	N	%	N	%	N	%	N	%
1992	0	0.0	1	100.0	0	0.0	1	100
1993	0	0.0	0	0.0	1	100.0	1	100
1994	0	0.0	2	100.0	0	0.0	2	100
1995	0	0.0	1	100.0	0	0.0	1	100
1996	0	0.0	3	100.0	0	0.0	3	100
1997	0	0.0	1	50.0	1	50.0	2	100
Total	0	0.0	8	90.0	2	20.0	10	100

9. OHS Investigated Occupational Fatalities: 1987 to 1997

YEAR:	1988	AGE:	36
OCCUPATION:	Auger Equipment Operator	FILE:	0605
INDUSTRY:	Horizontal or Angular Drilling		
EXPERIENCE:	3 years		

OCCUPATION:	Labourer	AGE:	20
INDUSTRY:	Oilfield Maintenance and Construction		
EXPERIENCE:	4 months		

DESCRIPTION: Two pipeline workers were fatally injured when a truck mounted crane contacted an overhead power line. The two workers were part of a construction crew that was installing a pipeline in the oil patch. Contact with the overhead power line was made when the two workers were in process of lowering augering equipment into an excavation.

YEAR:	1989	AGE:	40
OCCUPATION:	Truck driver/owner	FILE:	0649
INDUSTRY:	Oilfield Maintenance and Construction		
EXPERIENCE:	25 years		

DESCRIPTION: Three workers had arrived at the well site with a truck unit on which they had erected a set of gin poles; also a second truck and trailer unit on which they were going to haul the pump jack assembly to another well site. The driver of the gin pole truck backed it into position next to the pump jack base. The swamper and the second driver proceeded to rig up the slings and chain assembly to the winch-line in preparation for the gin pole to lift the pump jack.

The driver of the gin pole truck began to lift, and when the load lifted in an uneven manner, he set it down, and the hookup was relocated several times to get it balanced. When the load lifted evenly it was hoisted up to clear the securing bolts fastened to the base. Shortly after the pump jack had cleared the bolts, and not being secured at the top, the whole assembly tipped over away from the gin poles. The second driver had remained in close proximity to the pump jack assembly while it was being lifted, and when the load tipped over he was struck and driven to the ground causing fatal injuries.

There were no Oilfield Maintenance & Construction fatalities investigated by Alberta Labour for the period 1990 to 1997

Appendix A: Terms, Definitions and Formulas

Lost-Time Claim(LTC)	A lost-time claim (LTC) is the claim for an occupational injury or disease which disables the worker beyond the day of injury. Included are the claims for which wages compensation are paid, permanent disability claims, fatalities, and cases in which the injured worker is assigned light duties or other modified work.
Person-Years	Person-years estimates are calculated from wage and payroll data provided by account holders to the WCB. Alberta Labour uses these data to estimate an average industry wage, and uses the average industry wage and employer payroll data to estimate person-years for each employer and each industry. One person-year is equivalent to one full-time worker working for one year, and can be assumed to equal 2,000 hours worked.
LTC Rate	The lost-time claim (LTC) rate is calculated by dividing the number of lost-time claims by the person-years estimates, and multiplying the result by 100. The LTC rate represents the probability or risk of disabling injury or disease to a worker during a period of one year's work. Comparisons of LTC rates between industries or between years, can be used to indicate increase, decrease or differences in this risk. $\text{LTC Rate} = \frac{\text{Number of LTCs} \times 100}{\text{Estimated person-years}}$
Duration (Days Lost)	The duration of disability is the number of days following the injury or disease for which the worker was disabled, and unable to perform normal work duties. This information is obtained for this report from data on compensation days paid on each claim from WCB. Alberta Labour obtains these data on March 31 of the year following the claim year, and does not update the information, even though many injured workers continue to be disabled beyond this date. As a result, the duration information reported here underestimates the true impact of lost-time injury and disease.
Duration Rate	The duration rate is calculated by dividing the number of work days lost(disability days) by the person-year estimate, and multiplying by 100. The result is expressed as 'days lost per 100 person-years worked', and indicates, in part, the economic impact of occupational injury and disease. Duration rates are not recommended as reliable indicators of full economic costs. In addition, readers are warned that duration rates are highly unstable when based on only a few lost-time claims; it is recommended that the duration rate not be calculated based upon fewer than 30 lost-time claims. $\text{Duration Rate} = \frac{\text{Disability Days} \times 100}{\text{Estimated person-years}}$
WCB Accepted Fatality	The death of a worker which results from work-related incident or exposure and which has been accepted by the WCB for compensation. A fatality is counted in the year it is accepted.
NEC	Means 'Not Elsewhere Classified'
UNS	Means 'Unspecified'

Appendix B: Upstream Oil and Gas 1997 Industry Codes

Sub-Sector 1:

Exploration

Industries:

09200~Seismic Geophysical/Mineral Exploration
09201~Shot Hole Drilling

Sub-Sector 2:

Oilfield Maintenance and Construction

Industries:

06304~Oilfield Construction and/or Maintenance

Sub-Sector 3:

Well Servicing With Service Rigs

Industries:

09903~Well servicing with Service Rigs including Power Swivels

Sub-Sector 4:

Drilling of Oil and gas Wells

Industries:

09600~Drilling of Oil & Gas Wells

Sub-Sector 5:

Downhole & Other Oilfield Services

Industries

06305~Field Production Operators
06306~Vacuum Removal of Waste
09900~Mud Logging
09902~Pressure Cleaning Services
09904~Rathole Drilling and Rig Anchoring
09911~Oilfield Downhole Services
09915~Well Casing Services
09921~Servicing Christmas Trees On Oil Wells
09927~Liquid Waste Treatment & Disposal

Sub-Sector 6:

Tar Sands

Industries:

06600~Mining & Processing of Bituminous Sand
06601~Research/Development, Oil Sands and Heavy Oil Recovery

Sub-Sector 7:

Oil & Gas Exploration/Development

Industries:

06300~Oil and Gas Exploration & Development-Upstream Operations

Sub-Sector 8:

Oilfield Trucking Services

Industries:

50720~Oilfield Trucking Services

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